

| Form PTO 1449 (Modified) | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | ATTY DOCKET NO. 4292-0048-55 | | SERIAL NO. 09/027,671 | |
|--|--------------------|--|----------|----------------------------------|--------------|-------------------------------|--|
| LIST OF REFERENCES CITED BY APPLICANT <div style="border: 1px solid black; border-radius: 50%; width: 100px; height: 100px; margin: 0 auto; display: flex; align-items: center; justify-content: center;"> <div style="text-align: center;"> 0195 JUN 05 2002 </div> </div> | | | | APPLICANT Douglas SMITH et al | | | |
| | | | | FILING DATE February 23, 1998 | | GROUP 1644 | |
| U.S. PATENT DOCUMENTS | | | | | | | |
| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS | FILING DATE IF APPROPRIATE | |
| Jal | AA | 6,326,198 | 12/04/01 | Emerson et al | — | — | |
| | AB | 6,299,650 | 10/09/01 | Van Blitterswijk et al | — | — | |
| | AC | 5,811,094 | 09/22/98 | Caplan et al | — | — | |
| | AD | 5,646,043 | 07/08/97 | Emerson et al | — | — | |
| | AE | 4,135,975 | 01/23/79 | Lichtman et al | — | — | |
| | AF | 4,514,499 | 04/30/85 | Noll | — | — | |
| | AG | 4,861,714 | 08/29/89 | Dean et al | — | — | |
| | AH | 5,032,407 | 07/16/91 | Wagner et al | — | — | |
| | AI | 5,605,822 | 02/25/97 | Emerson et al | — | — | |
| | AJ | 5,670,351 | 09/23/97 | Emerson et al | — | — | |
| | AK | 4,481,946 | 11/13/84 | Altshuler et al | — | — | |
| | AL | 4,714,680 | 12/22/87 | Civin | — | — | |
| | AM | 4,889,812 | 12/26/89 | Guinn et al | — | — | |
| | AN | 5,032,508 | 07/16/91 | Naughton et al | — | — | |
| FOREIGN PATENT DOCUMENTS | | | | | | | |
| | DOCUMENT NUMBER | DATE | COUNTRY | TRANSLATION YES NO | | | |
| Jal | AO | 90/15877A2 | 12/27/90 | WIPO w/Abstract | | | |
| | AP | 95/06409 | 03/09/95 | WIPO w/Abstract | | | |
| | AQ | 0 358 506 | 03/14/90 | Europe w/Abstract | | | |
| | AR | 0 455 482 | 11/06/91 | Europe w/Abstract | | | |
| | AS | 93/18136 | 09/16/93 | WIPO w/Abstract | | | |
| | AT | 93/18137 | 09/16/93 | WIPO w/Abstract | | | |
| | AU | | | | | | |
| AV | | | | | | | |
| OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.) | | | | | | | |
| Jal | AW | M. W. Glacken et al., "Mammalian cell culture: engineering principles and scale-up", Trends in Biotechnology, Vol. 1, No. 4, 1983, PP. 102-108 | | | | | |
| | AX | Steven A. ROSENBERG et al., "In Vitro Growth of Murine T Cells II. Growth of in Vitro Sensitized Cells Cytotoxic for Alloantigens", The Journal of Immunology, Vol. 121, No. 5. November 1978, PP. 1951-1955 | | | | | |
| | AY | W. French ANDERSON, "Prospects for Human Gene Therapy", Science, Vol. 26, October 26, 1987, pp. 401-409 | | | | | |
| | AZ | T.M. Dexter, "The Message in the medium", Nature, Vol. 309, June 1984, pp 746-747 | | | | | |
| Examiner David A. Saunders | | | | Date Considered 10/9/02 | | | |
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APPLICANT

Douglas SMITH et al

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U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS | FILING DATE IF APPROPRIATE |
|---------------------|----|--------------------|----------|-----------------------|-------|--------------|-------------------------------|
| <i>sls</i> | BA | 5,945,225 | 08/31/99 | Speith-Herfurth et al | - | - | |
| | BB | 5,670,147 | 09/23/97 | Emerson et al | - | - | |
| | BC | 5,199,942 | 04/06/93 | Gillis | - | - | |
| | BD | 4,808,611 | 02/28/89 | Cosman | - | - | |
| | BE | 4,963,489 | 10/16/90 | Naughton et al | - | - | |
| | BF | 5,061,620 | 10/29/91 | Tsukamoto et al | - | - | |
| | BG | 5,922,597 | 07/13/99 | Verfaillie et al | - | - | |
| | BH | 5,399,493 | 03/21/95 | Emerson et al | - | - | |
| | BI | 4,810,643 | 03/07/89 | Souza | - | - | |
| | BJ | 4,965,204 | 10/23/90 | Civin | - | - | |
| | BK | 5,851,832 | 12/22/98 | Weiss et al | - | - | |
| | BL | 5,635,386 | 06/03/97 | Palsson et al | - | - | |
| | BM | 4,486,188 | 12/04/84 | Altshuler et al | - | - | |
| | BN | 4,847,201 | 07/11/89 | Kaswasaki et al | - | - | |

FOREIGN PATENT DOCUMENTS

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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

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| <i>sls</i> | BW | Manfred R. Koller, et al. "Expansion of Primitive Human Hematopoietic Progenitors in a Perfusion Bioreactor System with LL-3, LL-6, and Stem Cell Factor", Biotechnology, Vol. 11, March, 1993, pp. 358-363 |
| | BX | Bernhard O. PALSSON et al, "Expansion of Human Bone Marrow Progenitor Cells in a High Cell Density Continuous Perfusion System", Biotechnology, Vol. 11, March, 1993, pp. 368-372 |
| | BY | Giovanni MIGLIACCIO et al., "In Vitro Differentiation of Human Granulocyte/Macrophage and Erythroid Progenitors: Comparative Analysis of the Influence of Recombinant Human Erythropoietin, G-CSF, GM-CSF, and IL-3 in Serum-Supplemented and Serum-Deprived Cultures", Blood, Vol. 72, No. 1 July 1988, pp. 248-255 |
| | BZ | Ian K. McNiece et al., "Studies on the Myeloid Synergistic Factor From 5637: Comparison with Interleukin-1 Alpha", Blood, Vol. 73, No. 4 (March), 1989, pp. 919-923 |

Examiner

David A. Saunders

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| OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.) | | | | | | | |
| <div style="font-size: 1.5em;">Dul</div> | CW | Paul BAINES et al., Exp. Hematol. 16:785-789 (1988) | | | | | |
| — | CX | Jan A. NOLTA et al., Human Gene Therapy, 1:267-268 (1990) <div style="display: flex; justify-content: space-between; align-items: center;"> see PW duplicate listing </div> | | | | | |
| <div style="font-size: 1.5em;">Dul</div> | CY | John R. STEPHENSON et al., Proc. Nat. Acad. Sci. U.S.A., Vol. 68, No. 7, pp. 1542-1546, July 1971 | | | | | |
| ↓ | CZ | Giovanni MIGLIACCIO et al., Exp. Hematol. 18:1049-1055 (1990) | | | | | |
| Examiner <div style="font-style: italic;">David A. Lawrence</div> | | | | Date Considered 10/4/02 | | | |

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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

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| <i>204</i> | DW | Richard M. Schwartz et al., "In Vitro Myelopoiesis Stimulated by Rapid Medium Exchange and Supplementation With Hematopoietic Growth Factors", Blood, Vol 78, No. 12, December 15, 1991, pp. 3155-3161 |
| | DX | Rob E. Ploemacher et al., "Use of Limiting-Dilution Type Long-Term Marrow Cultures in Frequency Analysis of Marrow-Repopulating and Spleen Colony-Forming Hematopoietic Stem Cells in the Mouse", Blood, Vol 78, No. 10 (November 15, 1991, pp. 2527-2533 |
| | DY | Manfred R. Koller et al., "Effects of Synergistic Cytokine Combinations, Low Oxygen, and Irradiated Stroma on the Expansion of Human Cord Blood Progenitors", Blood, Vol 80, No. 2 (July 15, 1992), pp. 403-411 |
| | DZ | J. AIKEN et al., Journal of Pediatric Surgery, Vol. 25, No. 1 (January), 1990; pp. 140-145 |

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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

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| <i>see</i> | EW | C. FAVRE et al., "Interleukin-4 has Basophilic and Eosinophilic Cell Growth-Promoting Activity on Cord Blood Cells", Blood, Vol. 1, January 1, 1990, pp. 67-73 |
| <i> </i> | EX | Yoichi TAKAUE et al., "Limiting-Dilution Analysis of the Effects of Colony-Stimulating Factors, Phytohemagglutinin, and Hydrocortisone on Hematopoietic Progenitor Cell Growth", Blood, Vol. 70, No. 5, November, 1987, pp. 1611-1618 |
| <i> </i> | EY | Yoichi TAKAUE et al., "Effect of Recombinant Human G-CSF, GM-CSF, IL-3, and IL-1 α on the Growth of Purified Human Peripheral Blood Progenitors", Blood, Vol. 76, No. 2, July 15, 1990, pp. 330-335 |
| <i> </i> | EZ | H. J. Sutherland et al., "Alternative Mechanisms With and Without Steel Factor Support Primitive Human Hematopoiesis", Blood, Vol. 81, No. 6., March 15, 1993, pp. 1465-1470 |

Examiner

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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

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|------------|----|--|
| <i>gub</i> | FW | Lucia H. Coutinho et al., "Effects of Recombinant Human Granulocyte Colony-Stimulating Factor (CSF), Human Granulocyte Macrophage-CSF, and Gibbon Interleukin-3 on Hematopoiesis in Human Long-Term Bone Marrow Culture", Blood, Vol. 11, June 1, 1990, pp. 2118-2129 |
| <i> </i> | FX | Susan C. GUBA et al., "Bone Marrow Stromal Fibroblasts Secrete Interleukin-6 and Granulocyte-Macrophage Colony-Stimulating Factor in the Absence of Inflammatory Stimulation: Demonstration by Serum-Free Bioassay, Enzyme-Linked Immunosorbent Assay, and Reverse Transcriptase Polymerase Chain Reaction", Blood, Vol. 80, No. 5, September 1, 1992, pp. 1190-1198 |
| <i> </i> | FY | Richard M. SCHWARTZ et al., "Rapid medium perfusion rate significantly increases the productivity and longevity of human bone marrow cultures", Proc. Natl. Acad. Sci. USA, Vol. 88, pp. 6760-6764, August 1991 |
| <i>↓</i> | FZ | David E. HARRISON et al., "Primitive hemopoietic stem cells: direct assay of most productive populations by competitive repopulation with simple binomial, correlation and covariance calculations", Experimental Hematology 21:206-219 (1993) |

Examiner

David A. Saunders

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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

| | | |
|-----------|----|--|
| <i>GW</i> | GW | D. KRUMWIEH et al., "Preclinical Studies on Synergistic Effects of IL-1, IL-3, G-CSF and GM-CSF in Cynomolgus Monkeys", International Journal of Cell Cloning 8:229-248, Suppl. 1 (1990) |
| | GX | Makio OGAWA, Ph.D., "Effects of Hemopoietic Growth Factors on Stem Cells in Vitro", Hematology/Oncology Clinics of North America, Vol. 3(3) September 1989, pp. 453-464 |
| | GY | Jerry CALDWELL et al., "Culture Perfusion Schedules Influence the Metabolic Activity and Granulocyte-Macrophage Colony-Stimulating Factor Production Rates of Human Bone Marrow Stromal Cells", Journal of Cellular Physiology, 147:344-353 (1991) |
| | GZ | C.M. HEYWORTH et al., "The Role of Hemopoietic Growth Factors in Self-Renewal and Differentiation of IL-3-Dependent Multipotential Stem Cells", Growth Factors, 1990, Vol. 2, pp. 197-211 |

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| | HW | Shiang HUANG et al., "Formation of haematopoietic Microenvironment and haematopoietic stem cells from single human bone marrow stem cells", Nature, Vol. 360, 24/31 December 1992, pp. 745-749 |
| | HX | Randy A. HOCK et al., "Retrovirus-mediated transfer and expression of drug resistance genes in human haematopoietic progenitor cells", Nature, Vol. 320, March 1986, pp. 275-277 |
| | HY | A.A. FAUSER et al., "Granuloerythropoietic Colonies in Human Bone Marrow, Peripheral Blood, and Cord Blood" Blood, Vol. 52, No. 6, December 1978, pp. 1243-1248 |
| | HZ | C.D. MYERS et al., "A Cell Line Secreting Stimulating Factors for CFU-GEMM Culture", Blood, Vol. 64, No. 1 (July) 1984, pp. 152-155 |

Examiner

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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

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| <i>duj</i> | IW | Alice M. WANG et al., "Molecular Cloning of the Complementary DNA for Human Tumor Necrosis Factor", Science, Vol. 228, 20 November 1984, pp. 149-154 |
| <i> </i> | IX | Colin A. SIEFF et al., "Human Recombinant Granulocyte-Macrophage Colony-Stimulating Factor: A Multilineage Hematopoietin" Science, Vol. 230, 6 December 1985, pp. 1171-1173 |
| <i> </i> | IY | Robert E. DONAHUTE et al., "Human IL-3 and GM-CSF Act Synergistically in Stimulating Hematopoiesis in Primates", Science, Vol. 241, 30 September 1988, pp. 1820-1823 |
| <i>↓</i> | IZ | Ronald H. SCHWARTZ, "A Cell Culture Model for T Lymphocyte Clonal Anergy", Science, Vol. 248, 15 June 1990, pp. 1349-1356 |

Examiner

David A. Saunders

Date Considered

10/9/02

*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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LIST OF REFERENCES CITED BY APPLICANT

APPLICANT

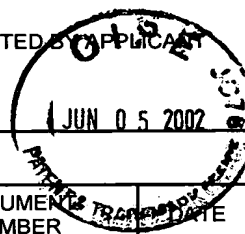
Douglas SMITH et al

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U.S. PATENT DOCUMENTS

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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

| | | |
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| <i>294</i> | JW | Toshio SUDA et al., "A Stimulatory Effect of Recombinant Murine Interleukin-7 (IL-7) on B-Cell Colony Formation and an Inhibitory Effect of IL-1 α ", Blood, Vol. 74, No. 6, November 1, 1989, pp. 1936-1941 |
| <i>1</i> | JX | Heather J. SUTHERLAND et al., "Characterization and Partial Purification of Human Marrow Cells Capable of Initiating Long-Term Hematopoiesis In Vitro", Blood, Vol. 74, No. 5 (October), 1989; pp. 1563-1570 |
| <i>1</i> | JY | Sem SEELAND et al., "Combined and Sequential Effects of Human IL-3 and GM-CSF on the Proliferation of CD34+ Hematopoietic Cells From Cord Blood", Blood, Vol. 73, No. 5, (April), 1989; pp. 1195-1201 |
| <i>1</i> | JZ | Sallie S. BOGGS, "Targeted Gene Modification for Gene Therapy of Stem Cells", International Journal of Cell Cloning 8:80-96 (1990) |

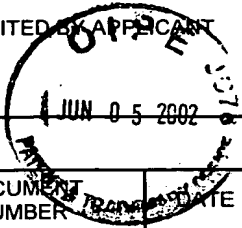
Examiner

David A. Saunders

Date Considered

10/5/02

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| OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.) | | | | | | | |
| <i>sub</i> | KW | Cynthia E. DUNBAR et al., "Gene Transfer into Hematopoietic Progenitor and Stem Cells: Progress and Problems", Stem Cells 1994;12:563-576 | | | | | |
| | KX | Angelika MUELLER, "Die Knochenmarkstammzellkultur Technische Voraussetzungen und klinische Einsatzmoeglichkeiten", Folia Haematol., Leipzig 116 (1989) 5, 731-743 <i>abstract only</i> | | | | | |
| | KY | Stephen G. EMERSON et al., "Purification of Fetal Hematopoietic Progenitors and Demonstration of Recombinant Multipotential Colony-stimulating Activity", The Journal of Clinical Investigation, Vol. 76, September 1985, 1286-1290 | | | | | |
| ✓ | KZ | pp. 573-578: "Clinical Transplantation", In <u>Immunology</u> , Second Edition, J. Kuby, W.H. Freeman and Company, New York (1994) | | | | | |
| Examiner <i>David A. Schneider</i> | | | | | Date Considered <i>10/8/02</i> | | |

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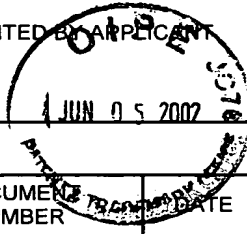
APPLICANT

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U.S. PATENT DOCUMENTS

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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

| | | |
|------------|----|--|
| <i>Dus</i> | LW | Theodore FRIEDMANN, "Overcoming the Obstacles-Treating disease by providing needed genes remains a compelling idea, but clinical and basic researchers still have much to do before gene therapy can live up to its promise", Scientific American, June 1997, pp. 96-101 |
| | LX | Joseph FEDER et al., "The Large-Scale Cultivation of Mammalian Cells", Scientific American, Vol. 248, No. 1 (January 1983), pp. 24-31 |
| | LY | Heather J. SUTHERLAND, "Functional characterization of individual human hematopoietic stem cells cultured at limiting dilution on supportive marrow stromal layers", Proc. Natl. Acad. Sci. USA, Vol. 87 (1990), pp. 3584-3588 |
| ↓ | LZ | Janice L. GABRILOVE et al., "Pluripoietin α: A second human hematopoietic colony-stimulating factor produced by the human bladder carcinoma cell line 5637", Proc. Natl. Acad. Sci. USA, Vol. 83, pp. 2478-2482, April 1986 |

Examiner

David A. Saunders

Date Considered

10/5/02

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LIST OF REFERENCES CITED BY APPLICANT

APPLICANT

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U.S. PATENT DOCUMENTS

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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

| | | |
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| <i>Def</i> | MW | Jeffrey A. HUBBELL et al., "Endothelial Cell-Selective Materials for Tissue Engineering in the Vascular Graft Via a New Receptor, Biotechnology, Vol. 9, June 1991, pp. 568-572 |
| <i>↓</i> | MX | Jerry CALDWELL et al., "Influence of Medium Exchange Schedules on Metabolic, Growth, and GM-CSF Secretion Rates of Genetically Engineered NIH-3T3 Cells", Biotechnology Progress, Vol. 7, No. 1, January/February 1991, pp. 1-8 |
| <i>↓</i> | MY | Li Lu et al., "Effect of recombinant and purified human haematopoietic growth factors on in vitro colony formation by enriched populations of human megakaryocyte progenitor cells", British Journal of Haematology, 1988, Vol. 70, pp. 149-156 |
| <i>↓</i> | MZ | A. Montes BORINAGA et al., "Interleukin-6 is a cofactor for the growth of myeloid cells from human bone marrow aspirates but does not affect the clonogenicity of myeloma cells in vitro", British Journal of Haematology, 1990, No. 76, pp. 476-483 |

Examiner

David A. Sauer

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10/8/02

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SERIAL NO.

09/027,671

LIST OF REFERENCES CITED BY APPLICANT

APPLICANT

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February 23, 1998

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U.S. PATENT DOCUMENTS

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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

| | | |
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| <i>gas</i> | NW | P.M. LEHN., "Gene therapy using bone marrow transplantation: a 1990 update", Bone Marrow Transplantation (1990), No. 5. pp. 287-293 |
| | NX | Manfred R. KOLLER et al., "Beneficial Effects of Reduced Oxygen Tension and Perfusion in Long-Term Hematopoietic Cultures", Biochemical Engineering, VII, Vol. 665 of the Annals New York Academy of Sciences, pp. 105-116, (October 1992) |
| | NY | D. KRUMWIEH et al., "Human Recombinant Derived IL-3 and GM-CSF in Hematopoiesis of Normal Cynomolgus Monkeys", Behring Inst., Mitt., No. 83, pp. 250-257 (1988) |
| | NZ | John BRANDT et al., "Detection of Human Hematopoietic Progenitor Cell Capable of Forming Blast Cell Containing Colonies <u>In Vitro</u> ", Advances in Experimental Medicine and Biology, Vol. 241, pp. 165-173 |

Examiner

David A. Haender

Date Considered

10/8/02

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APPLICANT

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February 23, 1998

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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

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| <i>Jul</i> | OW | C.J. EAVES et al., "The Human Hematopoietic Stem Cell In Vitro and In Vivo", Blood Cells (1992) 18:301-307 |
| <i>I</i> | OX | Masaaki ISHIZUKA et al., "Mitogenic Effect of Bestatin on Lymphocytes", The Journal of Antibiotics, Vol. 33, No. 6, (June 1980), pp. 653-662 |
| <i>I</i> | OY | Donald B. Kohn Ph.D. et al., "Gene Therapy for Genetic Diseases", Cancer Investigation, 7(2), pp. 179-192 (1989) |
| <i>↓</i> | OZ | Maria PODOLAK-DAWIDZIAK et al., "Does Human Bladder Carcinoma Cell Line 5637-Conditioned Medium Supplement the Growth of Megakaryocyte Colonies (CFU-Mk) in Cultures of Human bone Marrow", Haematologia, 23:121-123 |

Examiner

Daniel A. Sweeney

Date Considered

10/8/02

*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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09/027,671

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APPLICANT

Douglas SMITH et al

FILING DATE

February 23, 1998

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U.S. PATENT DOCUMENTS

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| <i>gus</i> | PW | Jan A. NOLTA et al., "Comparison of the Effects of Growth Factors on Retroviral Vecto-Mediated Gene Transfer and the Proliferative Status of Human Hematopoietic Progenitor Cells", Human Gene Therapy, 1:257-268 (1990) |
| <i>↓</i> | PX | Christoph HEBERLEIN et al., "The Gene for Erythropoietin Receptor is Expressed in Multipotential Hematopoietic and Embryonal Stem Cells: Evidence for Differentiation Stage-Specific Regulation", Molecular and Cellular Biology, Vol. 12 (14) pp. 1815-1826, (1992) |
| <i>↓</i> | PY | Nicholas DAINLAK et al., "Interactions of Insulin, Insulinlike Growth Factor II, and Platelet-derived Growth Factor in Erythropoietic Culture", J. Clin. Invest. Vol. 76, September 1985, 1237-1242 |
| <i>↓</i> | PZ | Yves-Jacques SCHNEIDER et al., "Monoclonal Antibody Production in Semi-Continuous Serum-and protein-free culture", Journal of Immunological Methods, Vol. 129 (1990) pp.251-268 |

Examiner

David A. Saunders

Date Considered

10/8/02

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U.S. PATENT DOCUMENTS

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| <i>sub</i> | QW | Philip W. KANTOFF et al., "Expression of Human Adenosine Deaminase in Nonhuman Primates after Retrovirus-Mediated Gene Transfer", J. Exp. Med. Volume 166, July 1987, pp. 219-234. |
| <i>↓</i> | QX | Suzanne GARTNER et al., "Long-term culture of human bone marrow cells", Proc. Natl. Acad. Sci. USA, Vol. 77, No. 8, pp. 4756-4759, August 1980 |
| <i>↓</i> | QY | Kenneth C. EHRLICH et al., "Artificial Capillary Perfusion Cell Culture: Metabolic Studies", In Vitro, Vol. 14, No. 5, 1978, pp. 443-450 |
| <i>↓</i> | QX | B. R. JORDAN et al., "Transformation of Murine LMtK-Cells with Purified HLA Class I Genes", Immunogenetics, 18:165-171, 1983 |

Examiner

David A. Saunders

Date Considered

10/8/02

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| OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.) | | | | | | | |
| ↓ | RW | E. Morioka et al, "Purification of a granulocyte colony-stimulating factor from the conditioned medium of a subclone of human bladder carcinoma cell line 5637, HTB9", Res. Exp. Med. (1990), 190:229-238 | | | | | |
| ↓ | RX | Steven A. ROSENBERG et al., "In Vitro Growth of Murine T Cells II. Growth of in Vitro Sensitized Cells Cytotoxic for Alloantigens", The Journal of Immunology, Vol. 121, No. 5. November 1978, pp. 1951-1955 | | | | | |
| ↓ | RY | James Frank PARSONS et al., "In Vitro Cell Perfusion. 1. System for Continuous Observation of Cells and Analysis of Perfusion Fluid Suitable for Isolated Mast Cell and Macrophage Studies", Journal of Pharmacological Methods Vol. 8. pp. 073-089 (1982) | | | | | |
| ↓ | RZ | S. R. ADAMSON et al., "Industrial Mammalian Cell Culture", The Canadian Journal of Chemical Engineering, Vol. 64, August 1986, pp. 531-539 | | | | | |
| Examiner <i>David G Saunders</i> | | | | | Date Considered <i>10/8/02</i> | | |
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LIST OF REFERENCES CITED BY APPLICANT

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Douglas SMITH et al

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U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS | FILING DATE IF APPROPRIATE |
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| | SU | | | | | |
| | SV | | | | | |

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

| | | |
|-----------|----|---|
| <i>SW</i> | SW | Avshalom MIZRAHI, "Production of Biologicals from Animal Cells an Overview", Process Biochemistry, (August 1986), pp. 108-112 |
| <i>SX</i> | SX | Eastment and Rusceth, "Evaluation of Hematopoiesis in Long-Term Bone Marrow Culture: Comparison of Species Differences" In Long-Term Bone Marrow Culture, Kroc oundation Series Vol. 18, Proceeding of a Symposium Held at the Kroc Foundation Santa Ynax Valley, California, September 12-16, 1983 |
| | SY | |
| <i>SZ</i> | SZ | Connie J. Eaves et al., "Methodology of Long-Term Culture of Human Hemopoietic Cells", J. Tiss. Cult. Meth 13:55-62, 1991 |

Examiner

David A Saunders

Date Considered

10/8/02

*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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APPLICANT

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U.S. PATENT DOCUMENTS

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| | TV | | | | |

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

| | | |
|-------------|----|--|
| <i>gals</i> | TW | R. Ian FRESHNEY, "Culture of Animal Cells A Manual of Basic Technique", (1987) Department of Medical Oncology Cancer Research Campaign Laboratories University of Glasgow, Second Addition, pp. 305-307, Alan R. Liss, Inc. (New York) |
| <i>↓</i> | TX | Yu-Chung YANG et al., "Human IL-3 (Multi-CSF): Identification by Expression Cloning of a Novel Hematopoietic Growth Factor Related to Murine IL-3", Cell, Vol. 47, pp. 3-10, October 10, 1986 |
| | TY | |
| | TZ | |

Examiner

David A. Swenders

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